[*AUTOMATIC EXPOSURE CONTROL FOR A DIGITAL IMAGE ACQUISITION SYSTEM*]

Abstract of Disclosure

A method and system for of defining, or identifying, regions of interest for exposure management in a digital x-ray imaging system, and especially in the case of multiple consecutive image acquisitions. According to the most basic embodiment of the present invention, simple geometric shapes arranged in a matrix configuration are used to aid an operator in identifying a region of interest for a diagnostic x-ray image. Each region of interest is selectable from a low-dose preshot image and may be corrected, or processed, in order to enhance the results of a subsequent diagnostic image. The processing of the preshot image allows the system to automatically make predictions for the diagnostic image exposure requirements, thereby avoiding unnecessary multiple images.

Figures